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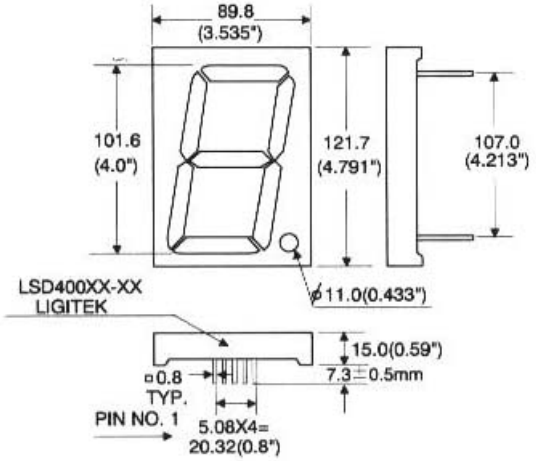
Jameco Part Number 202500

LIGITEK

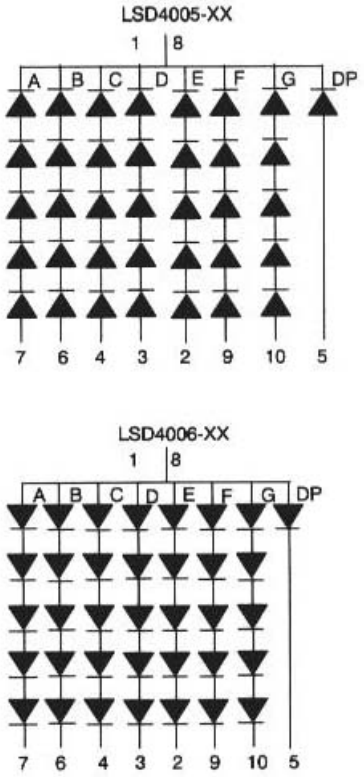
SINGLE DIGIT LED DISPLAY (4.0 Inch) **LSD4005X/6X** *series* *Page 1/2*

PACKAGE DIMENSION



NOTE: All Dimension Are In Millimeters And (Inch)
Tolerance Is +0.25(0.01") Unless Otherwise Noted

INTERNAL CIRCUIT DIAGRAM



- **Connection To Electrical Schematic**

Electrical Connection

PIN NO.	LSD4005X-XX	PIN NO.	LSD4006X-XX
1	Common Cathode	1	Common Anode
2	Anode E	2	Cathode E
3	Anode D	3	Cathode D
4	Anode C	4	Cathode C
5	Anode DP	5	Cathode DP
6	Anode B	6	Cathode B
7	Anode A	7	Cathode A
8	Common Cathode	8	Common Anode
9	Anode F	9	Cathode F
10	Andoe G	10	Cathode G

文件編號:**QW0905-S4005/6X-XX** 版本:**D** 生效日期:**Nov . 3 . 1999**

· Part Selection And Application Information (Ratings At 25°C Ambient)

PART NO	CHIP		common cathode or anode	λP (nm)	Δλ (nm)	Electrical					IV-M
						Vf(v)			Iv(mcd)		
	material	emitted				Min	Typ.	Max	Min	Typ.	
LSD40055-XX	GaAlAs	Red	Common Cathode	660	20	1.5	1.7	2.4	14	23	2:1
LSD40051-XX	GaP	Red		697	90	1.7	2.1	2.8	5.4	9.0	2:1
LSD40052-XX	GaP	Green		565	30	1.7	2.1	2.8	11	18	2:1
LSD40053-XX	GaAsP/GaP	Yellow		585	35	1.7	2.0	2.8	10	17	2:1
LSD40054-XX	GaAsP/GaP	Orange		635	45	1.7	2.0	2.8	11	18	2:1
LSD40056-XX	GaAlAs	Red		660	20	1.5	1.7	2.4	27	45	2:1
LSD40065-XX	GaAlAs	Red	Common Anode	660	20	1.5	1.7	2.4	14	23	2:1
LSD40061-XX	GaP	Red		697	90	1.7	2.1	2.8	5.4	9.0	2:1
LSD40062-XX	GaP	Green		565	30	1.7	2.1	2.8	11	18	2:1
LSD40063-XX	GaAsP/GaP	Yellow		585	35	1.7	2.0	2.8	10	17	2:1
LSD40064-XX	GaAsP/GaP	Orange		635	45	1.7	2.0	2.8	11	18	2:1
LSD40066-XX	GaAlAs	Red		660	20	1.5	1.7	2.4	27	45	2:1

Parameter	Red			Green	Yellow	Orange	Unit	Remark
Forward Current Per Chip	SR	HR	H	G	Y	E		
	40	40	15	30	20	30	mA	
Peak Current Per Chip (Duty 1/10, 0.1MS Pulse Width)	200	200	60	120	80	120	mA	
Power Dissipation Per Chip	110		45	100	85	100	mW	
Derating Linear From 25°C Per Chip	0.45		0.25	0.45	0.45	0.45	mA/ °C	
Reverse Current Per Any Chip	10			10	10	10	μA	
Operating Temperature	-25°C TO +85°C							
Storage Temperature	-25°C TO +85°C							

Solder Temperature 1/16 Inch Below Seating Plane For 3 Seconds At 260°C

· Test Condition For Each Parameter

Parameter	Symbol	Unit	Test Condition
Forward Voltage Per Chip	Vf	volt	If=20mA
Luminous Intensity Per Chip	Iv	mcd	If=10mA
Peak Emission Wavelength	λP	nm	If=20mA
Spectral Line Half-Width	Δλ	nm	If=20mA
Reverse Current Any Chip	Ir	μA	Vr=5V
Luminous Intensity Matching Ratio	IV-M		